

[kathir-dev.vercel.app](https://kathir-dev.vercel.app)

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# KATHIRAVAN

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## Experience

Software Engineering Senior Associate	Dedalus	2023-06 – Current
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- Led Angular version upgrade from v12 to v19.
- Built UI and server caching with backend coordination, reducing load time from 4 s to 300 ms.
- Introduced API compression to reduce response size and optimize download performance.
- Created an Elasticsearch-based Audit Mechanism for compliant user activity and data tracking across the application.

Software Engineer	Boodskap Labs	Aug 2021 – May 2023
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- Migrated application data layer from Elasticsearch to SQL, reducing query complexity.
- Integrated NPM libraries (Monaco Editor, Monaco Tree, angular-split) to build IDE-like interfaces, improving developer productivity and significantly enhancing user interaction and navigation.
- Developed shared components and services using RxJS, demonstrating problem-solving and focus on code efficiency and maintainability.
- Built 20+ reusable, responsive Angular UI components, reducing feature development time by 40%.

Front end developer	Finix info solution	Jul 2020 – Aug 2021
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- Translated client requirements into clear, user-friendly UI designs, reducing rework and iterations.
- Led end-to-end website development, managing design, client communication, and final delivery.

## Projects

- **Laboratory Information Management System** Specialized laboratory software that automates workflows, tracks samples, and ensures data accuracy, enhancing efficiency, compliance, and data integrity.

**Technologies Used:** Angular v19, Typescript, Angular material, Bootstrap v5, C#, SQL

- **DTA – HIP** An American government program in Massachusetts promoting healthy food purchases with incentive tracking.

**Technologies Used:** Angular, Typescript, Bootstrap v3, Node.Js

## Skills

- Frontend: Angular, React, Typescript, Angular material, Javascript, Bootstrap, SCSS, HTML
- Backend: C#, Node.Js
- Database: SQL, Elasticsearch
- Mobile Framework: Ionic, Flutter

## Awards

- **Achieve Excellence Together** - Received the award three times for outstanding performance, dedication and exceptional contribution to the team
- Solved 100+ Data Structures and Algorithms (DSA) problems on [LeetCode](https://leetcode.com), demonstrating problem-solving

## Education

2016 - 2020

Completed a Bachelor of Engineering in Electronics and Communication Engineering from Chennai Institute of Technology with a CGPA of 7.